

Amendments to the Claims

This listing will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Amended) A non-asphaltic underlayment comprising:

a glass fiber-based substrate in which a first surface thereof is directly adhered to a breathable thermoplastic film having a minimum thickness of 2 mils, the breathable thermoplastic film comprises a thermoplastic polyurethane blended with ethylene methacrylate polymer, wherein the ethylene methacrylate polymer acts as an adhesion improvement component that improves adhesion between the breathable thermoplastic film and the glass fiber-based substrate, said breathable thermoplastic film imparts water-resistance to the underlayment while maintaining breathability thereof, the breathable thermoplastic film having a minimum moisture vapor transmission rate of greater than about 3 perms.

2. (Previously Amended) The non-asphaltic underlayment of claim 1 further comprising a skid-resistance component blended into the breathable thermoplastic film, the skid-resistance component comprising at least 1-10% of ethyl-vinyl acetate or maleic anhydride grafted ethyl-vinyl acetate.

3. (Previously Amended) The non-asphaltic underlayment of claim 1 further comprising a second breathable thermoplastic film located on a second surface of the glass fiber-based substrate.

4. (Previously Amended) The non-asphaltic underlayment of claim 1 wherein the substrate is woven or non-woven.

5. (Previously Amended) The non-asphaltic underlayment of claim 4 wherein the substrate is a non-woven glass-fiber based substrate.

6-8. (Cancelled).

9. (Original) The non-asphaltic underlayment of claim 1 wherein the substrate has a thickness from about 5 to about 60 mils.

10-11. (Cancelled)

12. (Previously Amended) The non-asphaltic underlayment of claim 1 wherein the breathable thermoplastic film has a thickness of about 2 to about 10 mils.

13-15. (Cancelled)

16. (Previously Amended) The non-asphaltic underlayment of claim 1 further comprising at least one of a water repellent material, an algicide, an herbicide, an antifungal material, a surface friction agent, a flame retardant, or a coloring dye.

17. (Original) The non-asphaltic underlayment of claim 1 wherein the underlayment is a base sheet of a peel and stick roofing product.

18. (Previously Amended) A non-asphaltic underlayment comprising a substantially non-water-resistant polypropylene substrate in which at least a top surface thereof is directly adhered to a polyurethane based thermoplastic film, said polyurethane based thermoplastic film imparts water-resistance to the underlayment while maintaining breathability of the underlayment, the breathable thermoplastic film having a minimum moisture vapor transmission rate of 3 perms or greater the polyurethane based thermoplastic film being blended with about 40 to 60% ethylene methacrylate polymer to improve adhesion between the polyurethane based thermoplastic film and the substantially non-water-resistant polypropylene substrate.

19-35. (Cancelled)

36. (Previously Presented) The non-asphaltic underlayment of claim 2 wherein the skid-resistance component is a surface friction agent.

37. (Previously Amended) A non-asphaltic underlayment comprising:

a breathable thermoplastic film comprising a thermoplastic polyurethane blended with ethylene methacrylate polymer, the ethylene methacrylate polymer acting as an adhesion improvement component; and

a substrate, the substrate having a thickness of about 6 to 60 mils, the substrate being air sprayed with more than two mils but less than 10 mils of the breathable thermoplastic film, wherein the breathable thermoplastic film imparts water-resistance to the underlayment while maintaining breathability thereof as defined in ASTM E96 standard.

38. (Currently Amended) The non-asphaltic underlayment of claim 37 + further comprising a skid-resistance component blended into the breathable thermoplastic film, the skid-resistance component comprising at least 1-10% of ethyl-vinyl acetate or malefic anhydride grafted ethyl-vinyl acetate.

39. (Currently Amended) The non-asphaltic underlayment of claim 37 + further comprising a second breathable thermoplastic film air sprayed onto a second surface of the substrate.

40. (Currently Amended) The non-asphaltic underlayment of claim 37 + wherein the substrate is nonwoven polypropylene.

41. (Currently Amended) The non-asphaltic underlayment of claim 37 + further comprising a water repellent material, an algacide, an herbicide, an antifungal material, a surface friction agent, a flame retardant, a coloring dye and combinations thereof.

42. (Currently Amended) The non-asphaltic underlayment of claim 37 + wherein the underlayment is a base sheet of a peel and stick roofing product.